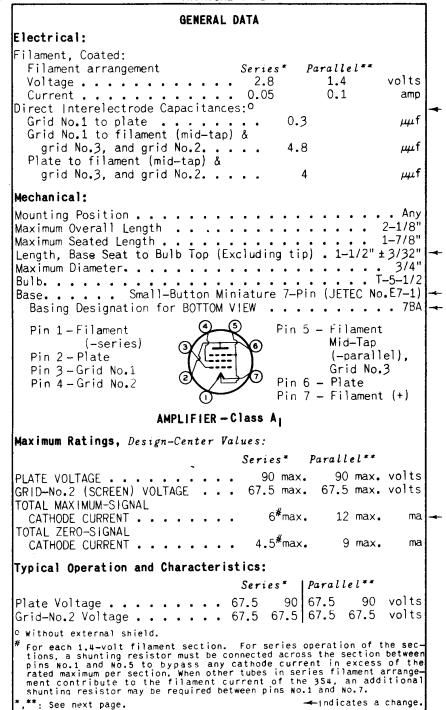


## POWER PENTODE

MINIATURE TYPE







## POWER PENTODE

						_
	Seri	Series*		Parallel**		]
- Grid-No.1 (Control-Grid)	7	<b>-</b> 7	<b>-</b> 7	7	volts	
Voltage	<del>-</del> 7	•	· ·	<b>-</b> 7	_	
Voltage Zero-Sig. Plate Current	7 6	7 6.1	7.2	7 7 <b>.</b> 4	volts ma	
Zero-Sig. Grid-No.2 Current.	1.2	1.1	1.5	1.4	ma	
Plate Resistance (Approx.) .	0.1	0.1	0.1	0.1	megohm	
Transconductance Load Resistance	1400 5000	1425 8000	1550 5000	1575 8000	μ∕mhos ohms	
Total Harmonic Distortion		13	10	12	%	•
MaxSig. Power Output	160	235	180	270	mw	
Maximum Circuit Values (For	max i mum	rated	cond i t i	ons):		
Grid-No.1-Circuit Resistance						
For fixed-bias operation . For cathode-bias operation			. 2.2 n . 2.2 n		megohms megohms	
				ax.	megorinis	1
Typical Operation with Single	e Filam	ent Sec			_	
Filament Voltage Filament Current	• • •		1.4 0.05		volts	1
Plate Voltage	• • •		90		amp volts	
Grid-No.2 Voltage			67.5		volts	
Grid-No.1 Voltage			<del>-</del> 7		volts	
Peak AF Grid-No.1 Voltage .			7		volts	
Zero-Signal Plate Current . Zero-Signal Grid-No.2 Curren	t		3.7 0.7		ma ma	
Plate Resistance (Approx.) .			0.2		megohm	
Transconductance			800		$\mu$ mhos	
Load Resistance	• • •		16000 12		ohms %	
Maximum—Signal Power Output			145		76 ITIW	
- Maximum Circuit Values (For		rated	_	ons):		
Grid-No.1-Circuit Resistance				,.		
For fixed-bias operation .			2.2 m		megohms	
For cathode-bias operation	• • •		2.2 m	ax.	megohms	l
Filament voltage applied across No.1 and No.7. Grid-No.1 volta	the two	section ferred t	s in seri	es bet	ween pins	
** Filament voltage applied acros pin No.5 and pins No.1 and No.7 is referred to pin No.5.	s the tw	o sectio	ons in pa	ralle'	l between 1 voltage	
Either filament section may be	operate	singly	with the	othe	rsection	1
floating. It is to be noted, the emission capabilities of the	e unused	section.	Althoug	h in s	ubsequent	
operation the unused section m section, it should not be opera			in series	WITH	ine useo	
Curves shown under Type 182	a also	abblv t	o the o	Sa wi	th the	
filaments con	•		9	7 *		
				cates a	a change.	